## ABSTRACT

A circuit which accurately controls the word line (pass transistor gate) driving voltage to a 5 voltage which is both controlled and is not significantly greater than is needed to drive the word line. The elements of the present invention eliminate the need for a double-boot-strapping circuit, and ensure that no voltages exceed that necessary to fully turn on a memory cell access 10 transistor. Accordingly, voltages in excess of that which would reduce reliability are avoided, and accurate driving voltages are obtained. A DRAM is comprised of word lines, memory cells having enable inputs connected to the word lines, apparatus for 15 receiving word line selecting signals at first logic levels  $V_{ss}$  and  $V_{dd}$ , and for providing a select signal at levels  $V_{ss}$  and  $V_{dd}$ , a high voltage supply source  $V_{\text{pp}}$  which is higher in voltage than  $V_{\text{dd}},$  a circuit for translating the select signals at levels  ${\rm V}_{\rm ss}$  and  ${\rm V}_{\rm dd}$ 20 to levels  $V_{\text{ss}}$  and  $V_{\text{pp}}$  and for applying it directly to the word lines for application to the enable inputs whereby an above V<sub>dd</sub> voltage level word line is achieved without the use of double boot-strap circuits. 25

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